

SD 421

4683

1949



This is a compilation of forest fire statistics covering the Calendar Year 1949 as reported to the United States Forest Service by its field offices, cooperating States, and the Department of the Interior, Soil Conservation Service and Tennessee Valley Authority.

The figures are shown separately by the individual States reporting and totals are also given for certain geographical groups of States. The tabulation is prepared in the following sections:

SUMMARY OF FOREST FIRE STATISTICS FOR 1949

Giving areas needing protection; areas protected and unprotected; number of fires, area burned, and estimated damage to both protected and unprotected forest lands (Pages 1 to 4).

NUMBER OF FOREST FIRES BY CAUSE AND SIZE

For protected areas only (Pages 5 to 8).

AREAS BURNED AND ESTIMATED DAMAGE

For protected areas only (Pages 9 to 12).

The statistics shown are as complete as could be compiled from reports submitted by State and Federal protection agencies but no claim is made as to their completeness or accuracy.

Since no field organizations are established in unprotected areas to report fires, the statistics on such unprotected areas are merely the best estimates by the States. They are likewise incomplete as no estimates could be obtained for Arizona, Nebraska, North Dakota and Wyoming.

The estimates on fire damage should be used with caution. They admittedly are low because they fail to include the full and complete tangible and direct damage to timber and improvements as well as the vast amount of intangible and indirect losses resulting from forest fires, such as those caused by decay of fire damaged timber, replacement of desirable tree species by less valuable ones, soil deterioration and erosion, uncertain streamflow, destruction of game, interruption of tourist use and travel, and the like.

Prepared by
Division of Cooperative Forest Protection - Forest Service
U. S. Department of Agriculture - Washington, D.C.

SUMMARY OF FOREST FIRE STATISTICS FOR THE UNITED STATES -- CALENDAR YEAR 1949
FOR PROTECTED AND UNPROTECTED AREAS, BY STATES AND GROUPS OF STATES
(Group totals are indicated following the individual States of the group)

GROUP AND STATE	PERIOD and OWNERSHIP	FOREST AREA 1/			NUMBER OF FIRES				AREA BURNED				BURNED PORTION OF AREA		DAMAGES			
		Needing Protection	Protected	Unprotected	TOTAL	On Protected Area	On Unprotected Area		TOTAL	On Protected Area	On Unprotected Area		Protected	Unprotected	TOTAL	On Protected Area	On Unprotected Area	
		M Acres	M Acres	M Acres	Number	Number %	Number %		Acres	Acres %	Acres %		%	%	Dollars	Dollars %	Dollars %	
UNITED STATES (Exclusive of Alaska)	1949 Federal State & Private TOTAL	214,533 438,994 653,547	214,505 357,168 571,673	48 81,826 81,874	9,592 184,182 193,774	9,592 100 78,649 43 88,341 46	-- 105,533 57 105,533 54	--	316,816 15,080,603 15,397,419	316,816 100 2,320,485 15 2,637,301 17	-- 12,760,118 85 12,760,118 83	--	.15 .65 .46	-- 15.59 15.59	2,874,273 40,609,658 43,483,931	2,874,273 100 8,003,563 20 10,877,836 25	-- 32,606,095 80 32,606,095 75	--
ALASKA	1949 Federal Private TOTAL	165,828 Data Incomplete 165,828	30,368 Data Incomplete 30,368	135,460 Data Incomplete 135,460	46 Data Incomplete 46	46 100 Data Incomplete 46 100	Data Incomplete Data Incomplete		17,949 Data Incomplete 17,949	17,949 100 Data Incomplete 17,949 100	Data Incomplete Data Incomplete		.06 Data Incomplete .06	-- Data Incomplete --	Data Incomplete Data Incomplete Data Incomplete			
ROCKY MOUNTAIN GROUP																		
ARIZONA	1949 Federal State & Private TOTAL	19,445 Data Incomplete 19,445	19,445 Data Incomplete 19,445	-- Data Incomplete --	1,425 Data Incomplete 1,425	1,425 100 Data Incomplete 1,425 100	-- Data Incomplete --	--	2,980 Data Incomplete 2,980	2,980 100 Data Incomplete 2,980 100	-- Data Incomplete --	--	.02 Data Incomplete .02	-- Data Incomplete --	9,482 Data Incomplete 9,482	9,482 100 Data Incomplete 9,482 100	-- Data Incomplete --	--
COLORADO	1949 Federal State & Private TOTAL	17,614 7,473 25,089	17,614 6,301 23,915	-- 1,174 1,174	160 163 323	160 100 163 100 323 100	-- Unknown --	--	100 6,577 6,577	100 100 6,577 100 6,577 100	-- Unknown --	--	.00 .10 .03	-- -- --	107 51,028 51,135	107 100 51,028 100 51,135 100	-- Unknown --	--
IDAHO	1949 Federal State & Private TOTAL	22,184 7,122 29,306	22,145 7,122 29,267	39 -- 39	1,199 681 1,880	1,199 100 681 100 1,880 100	-- -- --	--	55,857 48,790 104,647	55,857 100 48,790 100 104,647 100	-- -- --	--	.25 .69 .36	-- -- --	1,172,324 157,237 1,329,561	1,172,324 100 157,237 100 1,329,561 100	-- -- --	--
MONTANA	1949 Federal State & Private TOTAL	18,941 6,162 25,103	18,941 6,162 25,103	-- -- --	693 453 1,146	693 100 453 100 1,146 100	-- -- --	--	13,491 21,649 35,140	13,491 100 21,649 100 35,140 100	-- -- --	--	.07 .35 .14	-- -- --	139,936 84,128 224,064	139,936 100 84,128 100 224,064 100	-- -- --	--
NEBRASKA	1949 Federal State & Private TOTAL	227 Data Incomplete 227	227 Data Incomplete 227	-- Data Incomplete --	10 Data Incomplete 10	10 100 Data Incomplete 10 100	-- Data Incomplete --	--	306 Data Incomplete 306	306 100 Data Incomplete 306 100	-- Data Incomplete --	--	.13 Data Incomplete .13	-- Data Incomplete --	186 Data Incomplete 186	186 100 Data Incomplete 186 100	-- Data Incomplete --	--
NEVADA	1949 Federal State & Private TOTAL	11,684 2,801 14,485	11,684 1,530 13,214	-- 1,271 1,271	39 43 82	39 100 43 100 82 100	-- No Data --	--	1,666 2,028 3,724	1,666 100 2,028 100 3,724 100	-- No Data --	--	.01 .13 .03	-- -- --	2,819 22,240 25,059	2,819 100 22,240 100 25,059 100	-- No Data --	--
NEW MEXICO	1949 Federal State & Private TOTAL	14,322 3,977 18,299	14,322 1,105 15,427	-- 2,872 2,872	518 79 597	518 100 79 85 597 98	-- 12 15 12 2	--	1,638 539 2,177	1,638 100 138 26 1,776 82	-- 401 74 401 18	--	.01 .01 .01	.01 .01 .01	1,813 680 2,493	1,813 100 178 26 1,991 80	-- 502 74 502 20	--
SOUTH DAKOTA	1949 Federal State & Private TOTAL	1,416 500 1,916	1,416 500 1,916	-- -- --	154 119 273	154 100 119 100 273 100	-- -- --	--	17,468 4,408 21,876	17,468 100 4,408 100 21,876 100	-- -- --	--	1.23 .88 1.14	-- -- --	156,562 23,905 180,467	156,562 100 23,905 100 180,467 100	-- -- --	--
UTAH	1949 Federal State & Private TOTAL	17,035 5,966 23,001	17,035 5,966 23,001	-- -- --	86 86 172	86 100 86 100 172 100	-- -- --	--	1,006 3,902 4,908	1,006 100 3,902 100 4,908 100	-- -- --	--	.01 .07 .02	-- -- --	11,463 17,780 29,243	11,463 100 17,780 100 29,243 100	-- -- --	--
WYOMING	1949 Federal State & Private TOTAL	11,223 1,808 13,031	11,223 41 11,264	-- 1,767 1,767	198 Data Incomplete 198	198 100 Data Incomplete 198 100	-- Data Incomplete --	--	4,006 Data Incomplete 4,006	4,006 100 Data Incomplete 4,006 100	-- Data Incomplete --	--	.04 Data Incomplete .04	-- Data Incomplete --	31,717 Data Incomplete 31,717	31,717 100 Data Incomplete 31,717 100	-- Data Incomplete --	--
GROUP TOTAL	1949 Federal State & Private TOTAL	134,091 35,811 169,902	134,052 28,737 162,779	39 7,084 7,123	4,482 1,624 6,106	4,482 100 1,624 99 6,094 100	-- 12 1 12 --	--	98,518 87,923 186,441	98,518 100 87,923 100 186,040 100	-- 401 -- 401 --	--	.07 .30 .11	.01 .01 .01	1,526,409 356,998 1,883,407	1,526,409 100 356,496 100 1,882,905 100	-- 502 -- 502 --	--

1/ Includes 16,380,000 acres State and privately owned non-timbered watersheds.

PACIFIC GROUP														
CALIFORNIA	1949 Federal	22,905	22,905	--	1,497	1,497	100	--	--	98,785	98,785	100	--	--
	State & Private	19,698	19,698	--	2,730	2,730	100	--	--	117,020	117,020	100	--	--
	TOTAL	42,603	42,603	--	4,227	4,227	100	--	--	215,805	215,805	100	--	--
HAWAII	1949 Federal	--	--	--	--	--	--	--	--	--	--	--	--	--
	State & Private	2,504	2,504	--	8	8	100	--	--	1,679	1,679	100	--	--
	TOTAL	2,504	2,504	--	8	8	100	--	--	1,679	1,679	100	--	--
OREGON	1949 Federal	18,649	18,649	--	1,134	1,134	100	--	--	22,047	22,047	100	--	--
	State & Private	12,446	12,446	--	1,479	1,479	100	--	--	41,594	41,594	100	--	--
	TOTAL	31,095	31,095	--	2,603	2,603	100	--	--	63,641	63,641	100	--	--
WASHINGTON	1949 Federal	12,829	12,829	--	406	406	100	--	--	20,827	20,827	100	--	--
	State & Private	12,874	12,874	--	2,172	2,172	100	--	--	20,929	20,929	100	--	--
	TOTAL	25,703	25,703	--	2,578	2,578	100	--	--	41,756	41,756	100	--	--
GROUP TOTAL	1949 Federal	54,453	54,453	--	3,027	3,027	100	--	--	141,659	141,659	100	--	--
	State & Private	47,522	47,522	--	6,399	6,399	100	--	--	181,222	181,222	100	--	--
	TOTAL	101,985	101,985	--	9,416	9,416	100	--	--	322,881	322,881	100	--	--
EASTERN GROUP														
CONNECTICUT	1949 Federal	--	--	--	--	--	--	--	--	--	--	--	--	--
	State & Private	1,907	1,907	--	601	601	100	--	--	1,630	1,630	100	--	--
	TOTAL	1,907	1,907	--	601	601	100	--	--	1,630	1,630	100	--	--
DELAWARE	1949 Federal	1	1	--	--	--	--	--	--	--	--	--	--	--
	State & Private	440	440	--	73	73	100	--	--	348	348	100	--	--
	TOTAL	441	441	--	73	73	100	--	--	348	348	100	--	--
KENTUCKY	1949 Federal	565	565	--	38	38	100	--	--	614	614	100	--	--
	State & Private	11,258	4,459	--	4,296	1,026	24	3,270	76	382,325	20,725	7	261,600	93
	TOTAL	11,823	5,004	6,819	4,334	1,064	28	3,270	75	382,939	21,339	8	261,600	92
MAINE	1949 Federal	91	91	--	14	14	100	--	--	3	3	100	--	--
	State & Private	16,683	16,683	--	764	764	100	--	--	21,053	21,053	100	--	--
	TOTAL	16,774	16,774	--	778	778	100	--	--	21,056	21,056	100	--	--
MARYLAND	1949 Federal	4	4	--	--	--	--	--	--	--	--	--	--	--
	State & Private	2,685	2,685	--	381	381	100	--	--	1,194	1,194	100	--	--
	TOTAL	2,689	2,689	--	381	381	100	--	--	1,194	1,194	100	--	--
MASSACHUSETTS	1949 Federal	2	2	--	--	--	--	--	--	--	--	--	--	--
	State & Private	3,286	3,286	--	2,170	2,170	100	--	--	5,275	5,275	100	--	--
	TOTAL	3,288	3,288	--	2,170	2,170	100	--	--	5,275	5,275	100	--	--
NEW HAMPSHIRE	1949 Federal	670	670	--	3	3	100	--	--	3	3	100	--	--
	State & Private	4,143	4,143	--	604	604	100	--	--	2,208	2,208	100	--	--
	TOTAL	4,813	4,813	--	607	607	100	--	--	2,211	2,211	100	--	--
NEW JERSEY	1949 Federal	1	1	--	1	1	100	--	--	1	1	100	--	--
	State & Private	2,294	2,294	--	1,437	1,437	100	--	--	8,028	8,028	100	--	--
	TOTAL	2,295	2,295	--	1,438	1,438	100	--	--	8,029	8,029	100	--	--
NEW YORK	1949 Federal	9	9	--	--	--	--	--	--	--	--	--	--	--
	State & Private	13,423	13,423	--	1,837	1,837	100	--	--	21,374	21,374	100	--	--
	TOTAL	13,432	13,432	--	1,837	1,837	100	--	--	21,374	21,374	100	--	--
PENNSYLVANIA	1949 Federal	474	474	--	18	18	100	--	--	335	335	100	--	--
	State & Private	14,644	14,644	--	1,540	1,540	100	--	--	32,470	32,470	100	--	--
	TOTAL	15,118	15,118	--	1,558	1,558	100	--	--	32,805	32,805	100	--	--
RHODE ISLAND	1949 Federal	--	--	--	--	--	--	--	--	--	--	--	--	--
	State & Private	452	452	--	367	367	100	--	--	1,910	1,910	100	--	--
	TOTAL	452	452	--	367	367	100	--	--	1,910	1,910	100	--	--
VERMONT	1949 Federal	210	210	--	2	2	100	--	--	--	--	--	--	--
	State & Private	3,658	3,658	--	239	239	100	--	--	2,001	2,001	100	--	--
	TOTAL	3,868	3,868	--	241	241	100	--	--	2,001	2,001	100	--	--

GROUP AND STATE	PERIOD and OWNERSHIP	FOREST AREA			NUMBER OF FIRES			AREA BURNED			BURNED PORTION OF AREA		DAMAGES								
		Needing Protection	Pro- tected	Unpro- tected	TOTAL	On Protected Area	On Unpro- tected Area	TOTAL	On Protected Area	On Unpro- tected Area	Pro- tected	Unpro- tected	TOTAL	On Protected Area	On Unpro- tected Area						
																M Acres	M Acres	M Acres	Number	Number %	Number %
EASTERN GROUP (Continued)																					
VIRGINIA	1949 Federal	1,665	1,665	--	29	29	100	--	--	464	464	100	--	--	.03	--	1,010	1,010	100	--	--
	State & Private	13,036	13,036	--	1,601	1,601	100	--	--	12,133	12,133	100	--	--	.09	--	68,421	68,421	100	--	--
	TOTAL	14,701	14,701	--	1,630	1,630	100	--	--	12,597	12,597	100	--	--	.09	--	69,431	69,431	100	--	--
WEST VIRGINIA	1949 Federal	909	909	--	19	19	100	--	--	146	146	100	--	--	.02	--	358	358	100	--	--
	State & Private	9,050	9,050	--	1,691	1,691	100	--	--	36,325	36,325	100	--	--	.40	--	178,089	178,089	100	--	--
	TOTAL	9,959	9,959	--	1,710	1,710	100	--	--	36,471	36,471	100	--	--	.37	--	178,457	178,457	100	--	--
GROUP TOTAL	1949 Federal	4,601	4,601	--	144	144	100	--	--	1,566	1,566	100	--	--	.03	--	2,818	2,818	100	--	--
	State & Private	96,959	90,140	6,819	17,601	14,331	81	3,270	19	428,274	166,674	39	261,600	61	.18	3.84	1,234,244	761,212	62	463,032	38
	TOTAL	101,560	94,741	6,819	17,745	14,475	82	3,270	18	429,840	168,240	39	261,600	61	.18	3.84	1,237,062	764,030	62	463,032	38
SOUTHERN GROUP																					
ALABAMA	1949 Federal	702	702	--	116	116	100	--	--	3,133	3,133	100	--	--	.45	--	8,177	8,177	100	--	--
	State & Private	18,045	16,836	1,209	9,691	8,364	86	1,317	14	736,221	432,600	59	303,621	41	2.57	25.11	1,273,245	771,666	61	501,582	39
	TOTAL	18,747	17,538	1,209	9,797	8,480	87	1,317	13	739,354	435,733	59	303,621	41	2.48	25.11	1,281,425	779,843	61	501,582	39
ARKANSAS	1949 Federal	2,531	2,531	--	147	147	100	--	--	4,140	4,140	100	--	--	.16	--	3,870	3,870	100	--	--
	State & Private	18,348	12,405	5,943	6,853	4,553	66	2,300	34	185,401	94,401	51	91,000	49	.76	1.53	622,321	277,521	45	345,800	55
	TOTAL	20,879	14,936	5,943	7,000	4,700	67	2,300	33	189,541	98,541	52	91,000	48	.66	1.53	627,191	281,321	45	345,800	55
FLORIDA	1949 Federal	1,334	1,334	--	135	135	100	--	--	4,800	4,800	100	--	--	.36	--	15,012	15,012	100	--	--
	State & Private	21,553	9,488	12,065	30,022	6,172	21	23,850	79	3,211,501	212,501	7	2,999,000	93	2.34	24.86	4,484,269	230,389	5	4,254,000	95
	TOTAL	22,887	10,822	12,065	30,157	6,307	21	23,850	79	3,216,301	217,301	7	2,999,000	93	2.01	24.86	4,499,401	245,401	5	4,254,000	95
GEORGIA	1949 Federal	1,043	1,039	4	74	74	100	--	--	9,483	9,483	100	--	--	.91	--	9,639	9,639	100	--	--
	State & Private	21,705	14,083	7,622	21,464	4,945*	23	16,519	77	2,063,556	119,233*	6	1,944,323	94	.92*	25.77	8,556,905	324,911*	4	8,231,994	96
	TOTAL	22,748	15,122	7,622	21,538	5,019	23	16,519	77	2,073,039	128,716	6	1,944,323	94	.92*	25.76	8,566,544	324,550	4	8,231,994	96
LOUISIANA	1949 Federal	587	537	--	48	48	100	--	--	1,000	1,000	100	--	--	.17	--	3,351	3,351	100	--	--
	State & Private	14,055	8,950	5,095	3,163	2,763	87	400	13	167,651	67,651	40	100,000	60	.76	1.96	441,209	191,209	43	250,000	57
	TOTAL	14,642	9,547	5,095	3,211	2,811	88	400	12	168,651	68,651	41	100,000	59	.72	1.96	444,560	194,560	44	250,000	56
MISSISSIPPI	1949 Federal	1,154	1,154	--	391	391	100	--	--	5,012	5,012	100	--	--	.43	--	14,814	14,814	100	--	--
	State & Private	16,449	11,163	5,286	45,967	8,236*	18	37,731	82	2,543,570	312,668*	12	2,230,905	88	3.09*	42.20	12,613,022	1,382,117*	11	11,230,905	89
	TOTAL	17,603	12,317	5,286	46,358	8,627	19	37,731	81	2,548,582	317,677	12	2,230,905	88	2.81*	42.20	12,627,836	1,396,931	11	11,230,905	89
NORTH CAROLINA	1949 Federal	1,414	1,414	--	99	99	100	--	--	2,083	2,083	100	--	--	.15	--	3,883	3,883	100	--	--
	State & Private	16,978	14,727	2,251	2,591	2,492	96	99	4	117,184	110,016	94	7,168	6	.75	.32	407,941	381,011	93	26,930	7
	TOTAL	18,392	16,141	2,251	2,690	2,591	96	99	4	119,267	112,099	94	7,168	6	.69	.32	411,824	384,894	93	26,930	7
OKLAHOMA	1949 Federal	397	397	--	36	36	100	--	--	740	740	100	--	--	.19	--	724	724	100	--	--
	State & Private	9,799	3,179	6,620	14,676	676	5	14,000	95	3,803,669	33,669	1	3,770,000	99	1.06	56.95	5,100,912	100,912	2	5,000,000	98
	TOTAL	10,196	3,576	6,620	14,712	712	5	14,000	95	3,804,409	34,409	1	3,770,000	99	.96	56.95	5,101,636	101,636	2	5,000,000	98
SOUTH CAROLINA	1949 Federal	630	630	--	82	82	100	--	--	1,253	1,253	100	--	--	.20	--	1,200	1,200	100	--	--
	State & Private	10,776	10,776	--	5,923	5,923	100	--	--	104,650	104,650	100	--	--	.97	--	284,901	284,901	100	--	--
	TOTAL	11,406	11,406	--	6,005	6,005	100	--	--	105,903	105,903	100	--	--	.93	--	286,101	286,101	100	--	--
TENNESSEE	1949 Federal	950	945	5	164	164	100	--	--	2,378	2,378	100	--	--	.25	--	8,939	8,939	100	--	--
	State & Private	11,994	5,244	6,750	4,246	2,146	51	2,100	49	423,321	38,321	9	385,000	91	.73	5.70	780,490	68,240	9	712,250	91
	TOTAL	12,944	6,189	6,750	4,410	2,310	52	2,100	48	425,699	40,699	10	385,000	90	.66	5.70	789,429	77,179	10	712,250	90
TEXAS	1949 Federal	721	721	--	68	68	100	--	--	442	442	100	--	--	.06	--	996	996	100	--	--
	State & Private	14,051	7,633	6,418	1,769	854*	47	935	53	65,695	18,595*	28	47,100	72	.25*	.73	125,571	36,471*	29	89,100	71
	TOTAL	14,772	8,354	6,418	1,837	902	49	935	51	66,137	19,037	29	47,100	71	.23*	.73	126,567	37,467	30	89,100	70
GROUP TOTAL	1949 Federal	11,463	11,454	9	1,360	1,360	100	--	--	34,464	34,464	100	--	--	.30	--	70,605	70,605	100	--	--
	State & Private	173,753	114,494	59,259	146,355	47,104	32	99,251	68	13,442,419	1,544,302	11	11,898,117	89	1.35	20.08	34,691,909	4,049,348	12	30,642,561	88
	TOTAL	185,216	125,948	59,268	147,715	48,464	33	99,251	67	13,476,883	1,578,766	12	11,898,117	88	1.25	20.08	34,762,514	4,119,953	12	30,642,561	88

* Georgia - Exclusive of fire statistics on 1,120,291 acres protected by private owners not under State supervision, for which statistics are not available.
Mississippi - Exclusive of fire statistics on 1,031,000 acres protected by private owners not under State supervision, for which statistics are not available.
Texas - Exclusive of fire statistics on 108,000 acres protected by private owners not under State supervision, for which statistics are not available.

NORTH CENTRAL GROUP																					
ILLINOIS	1949 Federal	241	241	--	30	30	100	--	--	794	794	100	--	--	.33	--	808	808	100	--	--
	State & Private	4,085	4,085	--	561	561	100	--	--	17,069	17,069	100	--	--	.42	--	53,231	53,231	100	--	--
	TOTAL	4,326	4,326	--	591	591	100	--	--	17,863	17,863	100	--	--	.41	--	54,039	54,039	100	--	--
INDIANA	1949 Federal	106	106	--	2	2	100	--	--	12	12	100	--	--	.01	--	--	--	--	--	--
	State & Private	3,862	3,862	--	393	393	100	--	--	5,532	5,532	100	--	--	.14	--	24,723	24,723	100	--	--
	TOTAL	3,968	3,968	--	395	395	100	--	--	5,544	5,544	100	--	--	.14	--	24,723	24,723	100	--	--
IOWA	1949 Federal	12	12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	State & Private	2,256	2,256	--	49	49	100	--	--	1,449	1,449	100	--	--	.06	--	4,017	4,017	100	--	--
	TOTAL	2,268	2,268	--	49	49	100	--	--	1,449	1,449	100	--	--	.06	--	4,017	4,017	100	--	--
MICHIGAN	1949 Federal	2,616	2,616	--	45	45	100	--	--	337	337	100	--	--	.01	--	802	802	100	--	--
	State & Private	17,808	17,808	--	1,755	1,755	100	--	--	21,832	21,832	100	--	--	.12	--	134,142	134,142	100	--	--
	TOTAL	20,424	20,424	--	1,800	1,800	100	--	--	22,169	22,169	100	--	--	.11	--	134,944	134,944	100	--	--
MINNESOTA	1949 Federal	3,584	3,584	--	86	86	100	--	--	24,710	24,710	100	--	--	.69	--	97,833	97,833	100	--	--
	State & Private	19,665	19,665	--	1,225	1,225	100	--	--	180,502	180,502	100	--	--	.92	--	909,020	909,020	100	--	--
	TOTAL	23,249	23,249	--	1,311	1,311	100	--	--	205,212	205,212	100	--	--	.88	--	1,006,853	1,006,853	100	--	--
MISSOURI	1949 Federal	1,359	1,359	--	313	313	100	--	--	4,832	4,832	100	--	--	.36	--	11,838	11,838	100	--	--
	State & Private	15,664	7,000	8,664	6,060	3,060	50	3,000	50	686,575	86,575	13	600,000	87	1.24	6.93	1,750,919	250,919	14	1,500,000	86
	TOTAL	17,023	8,359	8,664	6,373	3,373	53	3,000	47	691,407	91,407	13	600,000	87	1.09	6.93	1,762,737	262,737	15	1,500,000	86
NORTH DAKOTA	1949 Federal	49	49	--	9	9	100	--	--	9,606	9,606	100	--	--	19.60	--	1,314	1,314	100	--	--
	State & Private	Data Incomplete																			
	TOTAL	49	49	--	9	9	100	--	--	9,606	9,606	100	--	--	19.60	--	1,314	1,314	100	--	--
OHIO	1949 Federal	95	95	--	27	27	100	--	--	114	114	100	--	--	.12	--	221	221	100	--	--
	State & Private	5,494	5,494	--	972	972	100	--	--	17,923	17,923	100	--	--	.33	--	51,679	51,679	100	--	--
	TOTAL	5,589	5,589	--	999	999	100	--	--	18,037	18,037	100	--	--	.32	--	51,900	51,900	100	--	--
WISCONSIN	1949 Federal	1,673	1,673	--	67	67	100	--	--	204	204	100	--	--	.01	--	432	432	100	--	--
	State & Private	16,115	16,115	--	1,198	1,198	100	--	--	9,883	9,883	100	--	--	.06	--	47,865	47,865	100	--	--
	TOTAL	17,988	17,988	--	1,265	1,265	100	--	--	10,087	10,087	100	--	--	.06	--	48,297	48,297	100	--	--
GROUP TOTAL	1949 Federal	9,935	9,935	--	579	579	100	--	--	40,609	40,609	100	--	--	.41	--	113,248	113,248	100	--	--
	State & Private	84,949	76,265	8,664	12,213	9,213	75	3,000	25	940,765	340,765	36	600,000	64	.45	6.93	2,975,596	1,475,596	50	1,500,000	50
	TOTAL	94,884	86,230	8,664	12,792	9,792	77	3,000	23	981,374	381,374	39	600,000	61	.44	6.93	3,088,844	1,588,844	51	1,500,000	49

NUMBER OF FOREST FIRES IN THE UNITED STATES BY CAUSE AND SIZE - CALENDAR YEAR 1949

PROTECTED AREAS ONLY - BY STATES AND GROUPS OF STATES

GROUP AND STATE	PERIOD and OWNERSHIP	NUMBER OF FIRES - BY CAUSE									NUMBER OF FIRES - BY SIZE			
		Lightning	Railroads	Campers	Smokers	Debris Burning	Incon- diary	Lumbering	Miscel- laneous	TOTAL	Under 1/4 Acre	1/4 - 10 Acres	Over 10 Acres	TOTAL
UNITED STATES (Exclusive of Alaska)	1949 Federal	5,930	101	591	1,260	225	861	127	497	9,592	5,888	2,646	1,058	9,592
	State & Private	2,305	3,704	3,574	16,187	16,241	25,865	1,341	9,432	78,649	11,578	40,112	26,959	78,649
	TOTAL	8,235	3,805	4,165	17,447	16,466	26,726	1,468	9,929	88,241	17,466	42,758	28,017	88,241
ALASKA	1949 Federal	7	10	7	8	5	1	1	7	46	18	17	11	46
	Private	Data Incomplete												
	TOTAL	7	10	7	8	5	1	1	7	46	18	17	11	46
ROCKY MOUNTAIN GROUP														
ARIZONA	1949 Federal	1,280	--	46	52	8	12	11	16	1,425	1,074	315	36	1,425
	State & Private	Data Incomplete												
	TOTAL	1,280	--	46	52	8	12	11	16	1,425	1,074	315	36	1,425
COLORADO	1949 Federal	95	5	31	19	3	--	1	6	160	127	31	2	160
	State & Private	20	9	19	3	17	5	4	86	163	40	81	42	163
	TOTAL	115	14	50	22	20	5	5	92	323	167	112	44	323
IDAHO	1949 Federal	1,070	1	34	66	4	2	5	17	1,199	938	190	71	1,199
	State & Private	324	58	18	104	73	18	13	73	681	396	138	127	681
	TOTAL	1,394	59	52	170	77	20	18	90	1,880	1,334	348	198	1,880
MONTANA	1949 Federal	593	2	38	43	7	--	4	6	693	493	140	60	693
	State & Private	273	55	20	47	19	2	3	34	453	314	99	40	453
	TOTAL	866	57	58	90	26	2	7	40	1,146	807	239	100	1,146
NEBRASKA	1949 Federal	7	--	--	2	--	--	--	1	10	2	7	1	10
	State & Private	Data Incomplete												
	TOTAL	7	--	--	2	--	--	--	1	10	2	7	1	10
NEVADA	1949 Federal	26	--	4	3	1	--	--	5	39	17	12	10	39
	State & Private	12	8	3	11	3	--	--	6	43	23	12	8	43
	TOTAL	38	8	7	14	4	--	--	11	82	40	24	18	82
NEW MEXICO	1949 Federal	460	6	13	25	3	4	--	7	518	347	139	32	518
	State & Private	49	--	3	8	2	--	2	3	67	42	23	2	67
	TOTAL	509	6	16	33	5	4	2	10	585	389	162	34	585
SOUTH DAKOTA	1949 Federal	114	3	5	19	6	--	--	7	154	102	33	19	154
	State & Private	70	6	2	11	12	1	--	17	119	54	48	17	119
	TOTAL	184	9	7	30	18	1	--	24	273	156	81	36	273
UTAH	1949 Federal	63	--	5	12	1	2	1	2	86	67	16	3	86
	State & Private	9	3	3	30	21	--	--	20	86	32	38	16	86
	TOTAL	72	3	8	42	22	2	1	22	172	99	54	19	172
WYOMING	1949 Federal	125	1	26	31	1	4	5	5	198	156	27	15	198
	State & Private	Data Incomplete												
	TOTAL	125	1	26	31	1	4	5	5	198	156	27	15	198
GROUP TOTAL	1949 Federal	3,633	18	202	272	34	24	27	72	4,482	3,323	910	249	4,482
	State & Private	797	139	68	214	147	26	22	239	1,612	901	459	252	1,612
	TOTAL	4,590	157	270	486	181	50	49	311	6,094	4,224	1,369	501	6,094

PACIFIC GROUP															
CALIFORNIA	1949 Federal	990	19	70	213	33	64	15	93	1,497	1,067	297	133	1,497	
	State & Private	414	111	88	690	603	276	106	442	2,730	1,331	967	432	2,730	
	TOTAL	1,404	130	158	903	636	340	121	535	4,227	2,398	1,264	565	4,227	
HAWAII	1949 Federal	--	--	--	--	--	--	--	--	--	--	--	--	--	
	State & Private	--	--	2	5	1	--	--	--	8	1	6	1	8	
	TOTAL	--	--	2	5	1	--	--	--	8	1	6	1	8	
OREGON	1949 Federal	713	10	138	142	18	17	60	26	1,124	752	242	130	1,124	
	State & Private	383	49	138	300	149	93	182	185	1,479	871	425	183	1,479	
	TOTAL	1,096	59	276	442	167	110	242	211	2,603	1,623	667	313	2,603	
WASHINGTON	1949 Federal	240	2	65	50	11	7	5	26	406	266	100	40	406	
	State & Private	246	126	120	431	273	123	56	797	2,172	1,230	781	161	2,172	
	TOTAL	486	128	185	481	284	130	61	823	2,578	1,496	881	201	2,578	
GROUP TOTAL	1949 Federal	1,943	31	273	405	62	88	80	145	3,027	2,085	639	303	3,027	
	State & Private	1,043	266	348	1,426	1,026	492	344	1,424	6,389	3,433	2,179	777	6,389	
	TOTAL	2,986	317	621	1,831	1,068	580	424	1,569	9,416	5,518	2,818	1,080	9,416	
EASTERN GROUP															
CONNECTICUT	1949 Federal	--	--	--	--	--	--	--	--	--	--	--	--	--	
	State & Private	5	11	9	218	170	13	--	175	601	127	429	45	601	
	TOTAL	5	11	9	218	170	13	--	175	601	127	429	45	601	
DELAWARE	1949 Federal	--	--	--	--	--	--	--	--	--	--	--	--	--	
	State & Private	--	41	--	11	19	--	2	--	73	11	51	11	73	
	TOTAL	--	41	--	11	19	--	2	--	73	11	51	11	73	
KENTUCKY	1949 Federal	2	6	7	16	2	12	1	12	58	16	32	10	58	
	State & Private	--	30	177	267	364	140	11	37	1,026	8	438	580	1,026	
	TOTAL	2	36	184	283	366	152	12	49	1,084	24	470	590	1,084	
MAINE	1949 Federal	--	--	3	8	2	--	--	1	14	13	1	--	14	
	State & Private	60	11	72	242	133	29	31	166	764	259	399	106	764	
	TOTAL	60	11	75	250	135	29	31	167	778	272	400	106	778	
MARYLAND	1949 Federal	--	--	--	--	--	--	--	--	--	--	--	--	--	
	State & Private	--	61	10	181	67	22	3	37	381	91	268	22	381	
	TOTAL	--	61	10	181	67	22	3	37	381	91	268	22	381	
MASSACHUSETTS	1949 Federal	--	--	--	--	--	--	--	--	--	--	--	--	--	
	State & Private	--	100	36	435	798	182	--	619	2,170	721	1,340	109	2,170	
	TOTAL	--	100	36	435	798	182	--	619	2,170	721	1,340	109	2,170	
NEW HAMPSHIRE	1949 Federal	1	--	--	1	--	--	--	1	3	5	--	--	3	
	State & Private	46	56	25	225	154	23	9	66	604	261	301	42	604	
	TOTAL	47	56	25	226	154	23	9	67	607	264	301	42	607	
NEW JERSEY	1949 Federal	--	--	--	--	--	--	--	1	1	--	1	--	1	
	State & Private	2	277	9	747	190	127	--	85	1,437	510	816	111	1,437	
	TOTAL	2	277	9	747	190	127	--	86	1,438	510	817	111	1,438	
NEW YORK	1949 Federal	--	--	--	--	--	--	--	--	--	--	--	--	--	
	State & Private	53	99	320	688	377	41	--	259	1,837	412	1,016	409	1,837	
	TOTAL	53	99	320	688	377	41	--	259	1,837	412	1,016	409	1,837	
PENNSYLVANIA	1949 Federal	--	5	3	8	--	1	--	1	18	5	10	3	18	
	State & Private	10	300	723	118	211	112	22	44	1,540	93	892	555	1,540	
	TOTAL	10	305	726	126	211	113	22	45	1,558	98	902	558	1,558	
RHODE ISLAND	1949 Federal	--	--	--	--	--	--	--	--	--	--	--	--	--	
	State & Private	1	1	5	110	156	64	--	30	367	129	207	31	367	
	TOTAL	1	1	5	110	156	64	--	30	367	129	207	31	367	
VERMONT	1949 Federal	--	--	--	2	--	--	--	--	2	2	--	--	2	
	State & Private	10	43	8	74	52	7	17	28	239	61	137	41	239	
	TOTAL	10	43	8	76	52	7	17	28	241	63	137	41	241	

GROUP AND STATE	PERIOD and OWNERSHIP	NUMBER OF FIRES - BY CAUSE									NUMBER OF FIRES - BY SIZE			
		Lightning	Railroads	Campers	Smokers	Debris Burning	Incen-diary	Lumbering	Miscel-laneous	TOTAL	Under 1/4 Acre	1/4 - 10 Acres	Over 10 Acres	TOTAL
EASTERN GROUP (Continued)														
VIRGINIA	1949 Federal	3	--	4	13	--	2	--	7	29	10	16	3	29
	State & Private	12	162	38	613	376	190	26	184	1,601	239	1,040	322	1,601
	TOTAL	15	162	42	626	376	192	26	191	1,630	249	1,066	325	1,630
WEST VIRGINIA	1949 Federal	2	1	1	6	--	1	--	8	19	4	11	4	19
	State & Private	2	85	76	735	161	328	20	284	1,691	89	815	787	1,691
	TOTAL	4	86	77	741	161	329	20	292	1,710	93	826	791	1,710
GROUP TOTAL	1949 Federal	8	12	18	54	4	16	1	31	144	53	71	20	144
	State & Private	201	1,277	1,508	4,664	3,248	1,278	141	2,014	14,331	3,011	8,149	3,171	14,331
	TOTAL	209	1,289	1,526	4,718	3,252	1,294	142	2,045	14,475	3,064	8,220	3,191	14,475
SOUTHERN GROUP														
ALABAMA	1949 Federal	--	3	7	34	8	53	3	8	116	13	64	39	116
	State & Private	27	359	189	1,738	1,639	3,258	152	1,002	8,364	159	3,764	4,441	8,364
	TOTAL	27	362	196	1,772	1,647	3,311	155	1,010	8,480	172	3,828	4,480	8,480
ARKANSAS	1949 Federal	25	--	4	44	15	35	3	21	147	39	66	42	147
	State & Private	15	82	109	1,291	539	2,183	90	244	4,553	483	2,356	1,714	4,553
	TOTAL	40	82	113	1,335	554	2,218	93	265	4,700	522	2,422	1,756	4,700
FLORIDA	1949 Federal	61	--	4	31	6	16	3	14	135	36	60	39	135
	State & Private	101	154	37	249	598	4,625	68	339	6,172	130	3,257	2,785	6,172
	TOTAL	162	154	41	280	604	4,642	71	353	6,307	166	3,317	2,824	6,307
GEORGIA	1949 Federal	3	6	7	21	8	16	--	13	74	11	40	23	74
	State & Private	19	345	44	382	975	1,561	108	1,511	4,945*	775	2,217	1,953	4,945*
	TOTAL	22	351	51	403	983	1,577	108	1,524	5,019	786	2,257	1,976	5,019
LOUISIANA	1949 Federal	4	1	2	15	--	18	1	7	48	6	31	11	48
	State & Private	4	27	44	268	513	1,607	55	245	2,763	172	1,607	984	2,763
	TOTAL	8	28	46	283	513	1,625	56	252	2,811	178	1,638	995	2,811
MISSISSIPPI	1949 Federal	4	5	14	68	13	239	4	42	391	63	232	96	391
	State & Private	7	69	43	1,103	1,476	4,874	69	595	8,236*	244	4,457	3,535	8,236*
	TOTAL	11	74	57	1,171	1,491	5,113	73	637	8,627	307	4,689	3,631	8,627
NORTH CAROLINA	1949 Federal	5	1	9	25	6	47	--	6	99	10	54	35	99
	State & Private	18	100	245	631	767	520	31	180	2,492	143	1,116	1,233	2,492
	TOTAL	23	101	254	656	773	567	31	186	2,591	153	1,170	1,268	2,591
OKLAHOMA	1949 Federal	4	1	8	13	6	--	--	4	36	8	18	10	36
	State & Private	1	--	13	78	32	532	--	20	676	69	328	279	676
	TOTAL	5	1	21	91	38	532	--	24	712	77	346	289	712
SOUTH CAROLINA	1949 Federal	2	3	--	16	1	56	1	3	82	7	47	28	82
	State & Private	11	235	166	1,571	1,288	2,217	70	365	5,923	346	3,651	1,926	5,923
	TOTAL	13	238	166	1,587	1,289	2,273	71	368	6,005	353	3,698	1,954	6,005
TENNESSEE	1949 Federal	4	10	19	34	13	75	--	9	164	58	75	31	164
	State & Private	2	96	507	231	520	652	72	66	2,146	110	1,339	678	2,146
	TOTAL	6	106	526	265	533	727	72	75	2,310	168	1,433	709	2,310
TEXAS	1949 Federal	4	1	5	27	7	9	1	14	68	16	40	12	68
	State & Private	9	6	38	288	136	196	64	97	834*	81	462	291	834*
	TOTAL	13	7	43	315	143	205	65	111	902	97	502	303	902
GROUP TOTAL	1949 Federal	116	31	79	328	85	564	16	141	1,360	267	727	366	1,360
	State & Private	214	1,473	1,435	7,830	8,483	22,226	779	4,664	47,104	2,712	24,573	19,819	47,104
	TOTAL	330	1,504	1,514	8,158	8,568	22,790	795	4,805	48,464	2,979	25,300	20,185	48,464

*Georgia - Exclusive of fire statistics on 1,120,291 acres protected by private owners not under State supervision, for which statistics are not available.
Mississippi - Exclusive of fire statistics on 1,031,000 acres protected by private owners not under State supervision, for which statistics are not available.
Texas - Exclusive of fire statistics on 108,000 acres protected by private owners not under State supervision, for which statistics are not available.

NORTH CENTRAL GROUP														
ILLINOIS	1949 Federal	--	1	--	17	2	5	--	5	30	--	17	13	30
	State & Private	--	25	2	255	229	13	1	36	561	--	218	321	561
	TOTAL	--	26	2	272	231	18	1	41	591	--	22	334	591
INDIANA	1949 Federal	--	--	--	1	--	--	--	1	2	1	1	--	2
	State & Private	--	37	1	133	151	17	--	54	393	--	44	134	393
	TOTAL	--	37	1	134	151	17	--	55	395	--	45	134	395
IOWA	1949 Federal	--	--	--	--	--	--	--	--	--	--	--	--	--
	State & Private	--	--	5	7	11	1	--	25	49	--	8	25	49
	TOTAL	--	--	5	7	11	1	--	25	49	--	8	25	49
MICHIGAN	1949 Federal	7	1	2	27	1	1	--	6	45	21	20	4	45
	State & Private	27	73	69	670	635	73	13	195	1,755	305	1,076	374	1,755
	TOTAL	34	74	71	697	636	74	13	201	1,800	326	1,096	378	1,800
MINNESOTA	1949 Federal	13	2	11	13	24	16	1	6	86	42	16	28	86
	State & Private	18	172	35	212	546	84	10	148	1,225	272	404	549	1,225
	TOTAL	31	174	46	225	570	100	11	154	1,311	314	420	577	1,311
MISSOURI	1949 Federal	1	--	2	99	4	138	--	69	313	62	190	61	313
	State & Private	4	47	55	234	1,209	1,433	20	58	3,060	271	1,636	1,153	3,060
	TOTAL	5	47	57	333	1,213	1,571	20	127	3,373	333	1,826	1,214	3,373
NORTH DAKOTA	1949 Federal	3	2	--	2	1	--	--	1	9	--	1	8	9
	State & Private	Data Incomplete												
	TOTAL	3	2	--	2	1	--	--	1	9	--	1	8	9
OHIO	1949 Federal	--	--	1	13	--	3	--	10	27	5	21	1	27
	State & Private	2	89	9	174	251	86	6	355	972	146	547	279	972
	TOTAL	2	89	10	187	251	89	6	365	999	151	568	280	999
WISCONSIN	1949 Federal	6	3	3	29	8	6	2	10	67	29	33	5	67
	State & Private	39	86	39	368	305	136	5	220	1,198	453	640	105	1,198
	TOTAL	45	89	42	397	313	142	7	230	1,265	482	673	110	1,265
GROUP TOTAL	1949 Federal	30	9	19	201	40	169	3	108	579	160	299	120	579
	State & Private	90	529	215	2,033	3,337	1,843	55	1,091	9,213	1,521	4,752	2,940	9,213
	TOTAL	120	538	234	2,234	3,377	2,012	58	1,199	9,792	1,681	5,051	3,060	9,792

AREAS BURNED AND DAMAGES BY FOREST FIRES IN THE UNITED STATES, BY TYPE CLASSES - CALENDAR YEAR 1949

PROTECTED AREAS ONLY - BY STATES AND GROUPS OF STATES

GROUP AND STATE	PERIOD and OWNERSHIP	TOTAL FOREST AREA NEEDING PROTECTION	FOREST AREA PROTECTED		PROTECTED AREA BURNED				DAMAGE ON PROTECTED AREA			
					Forest Land	Non-Forest Land	TOTAL	Average Area per Fire	Timber Resources	Non-Timber Resources	TOTAL	Average per Acre
					Acres	Acres	Acres	Acres	Dollars	Dollars	Dollars	Dollars
UNITED STATES (Exclusive of Alaska)	1949 Federal	214,553,505	214,505,105	100.0	159,758	157,066	316,816	33.0	1,110,197	1,764,076	2,874,273	9.07
	State & Private	439,993,917	357,169,462	81.4	1,869,979	450,506	2,320,485	29.5	6,027,214	1,976,349	8,003,563	3.45
	TOTAL	653,547,422	571,673,567	87.5	2,029,737	607,564	2,637,301	29.9	7,137,411	3,740,425	10,877,836	4.12
ALASKA	1949 Federal	165,827,545	30,367,545	18.3	1,861	16,088	17,949	390.2	Data Incomplete			
	Private	Data Incomplete										
	TOTAL	165,827,545	30,367,545	18.3	1,861	16,088	17,949	390.2	Data Incomplete			
ROCKY MOUNTAIN GROUP												
ARIZONA	1949 Federal	19,444,449	19,444,449	100.0	2,621	359	2,980	2.1	7,402	2,080	9,482	3.18
	State & Private	Data Incomplete										
	TOTAL	19,444,449	19,444,449	100.0	2,621	359	2,980	2.1	7,402	2,080	9,482	3.18
COLORADO	1949 Federal	17,614,050	17,614,050	100.0	76	24	100	.6	95	12	107	1.07
	State & Private	7,475,348	6,300,816	84.3	680	5,897	6,577	40.3	6,800	44,228	51,028	7.76
	TOTAL	25,089,398	23,914,866	95.3	756	5,921	6,677	20.7	6,895	44,240	51,135	7.66
IDAHO	1949 Federal	22,184,160	22,145,160	99.8	30,407	25,450	55,856	46.6	397,429	774,895	1,172,324	20.99
	State & Private	7,122,000	1,825	100.0	1,825	46,965	48,790	71.6	40,854	116,363	157,217	5.22
	TOTAL	29,306,160	23,967,160	99.9	32,232	72,415	104,647	55.7	438,283	891,258	1,329,541	12.71
MONTANA	1949 Federal	18,941,180	18,941,180	100.0	9,532	3,959	13,491	19.5	71,175	68,761	139,936	10.37
	State & Private	6,162,000	6,162,000	100.0	7,113	14,536	21,649	47.8	31,803	52,325	84,128	3.89
	TOTAL	25,103,180	25,103,180	100.0	16,645	18,495	35,140	30.7	102,978	121,086	224,064	6.38
NEBRASKA	1949 Federal	227,248	227,248	100.0	7	299	306	30.6	25	161	186	.61
	State & Private	Data Incomplete										
	TOTAL	227,248	227,248	100.0	7	299	306	30.6	25	161	186	.61
NEVADA	1949 Federal	11,683,525	11,683,525	100.0	805	861	1,666	42.7	851	1,968	2,819	1.69
	State & Private	2,801,131	1,530,405	54.6	5	2,053	2,058	47.9	21	22,219	22,240	10.81
	TOTAL	14,484,656	13,213,930	91.2	810	2,914	3,724	45.4	872	24,187	25,059	6.73
NEW MEXICO	1949 Federal	14,322,142	14,322,142	100.0	1,635	3	1,638	3.2	771	1,042	1,813	1.11
	State & Private	3,977,000	1,104,547	27.8	135	3	138	2.1	178	--	178	1.29
	TOTAL	18,299,142	15,426,689	84.3	1,770	6	1,776	3.0	949	1,042	1,991	1.12
SOUTH DAKOTA	1949 Federal	1,416,363	1,416,363	100.0	6,083	11,385	17,468	113.4	114,321	42,841	156,562	8.96
	State & Private	500,000	500,000	100.0	2,276	2,132	4,408	37.0	20,444	3,461	23,905	5.42
	TOTAL	1,916,363	1,916,363	100.0	8,359	13,517	21,876	80.1	134,765	46,302	180,467	8.25
UTAH	1949 Federal	17,034,958	17,034,958	100.0	300	706	1,006	11.7	295	11,168	11,463	11.39
	State & Private	5,966,119	5,966,119	100.0	13	3,889	3,902	45.4	245	17,535	17,780	4.56
	TOTAL	23,001,077	23,001,077	100.0	313	4,595	4,908	28.5	540	28,703	29,243	5.96
WYOMING	1949 Federal	11,222,830	11,222,830	100.0	2,238	1,768	4,006	20.2	7,003	24,714	31,717	7.92
	State & Private	1,808,000	41,000	2.3	Data Incomplete							
	TOTAL	13,030,830	11,263,830	86.4	2,238	1,768	4,006	20.2	7,003	24,714	31,717	7.92
GROUP TOTAL	1949 Federal	134,090,905	134,051,905	100.0	53,704	44,814	98,518	22.0	599,367	927,042	1,526,409	15.49
	State & Private	35,811,598	28,726,887	80.2	12,047	75,475	87,522	54.3	100,345	256,151	356,496	4.07
	TOTAL	169,902,503	162,778,792	95.8	65,751	120,289	186,040	30.5	699,712	1,183,193	1,882,905	10.12

PACIFIC GROUP													
CALIFORNIA	1949 Federal	22,985,113	22,985,113	100.0	22,289	69,496	98,785	66.0	231,330	732,982	964,312	9.76	
	State & Private	19,698,395	19,698,395	100.0	10,112	106,908	117,020	42.9	80,205	658,158	738,363	6.31	
	TOTAL	42,683,508	42,683,508	100.0	39,401	176,404	215,805	51.1	311,535	1,391,140	1,702,675	7.89	
HAWAII	1949 Federal	--	--	--	--	--	--	--	--	--	--	--	
	State & Private	2,503,587	2,503,587	100.0	178	1,501	1,679	209.9	178	1,501	1,679	1.00	
	TOTAL	2,503,587	2,503,587	100.0	178	1,501	1,679	209.9	178	1,501	1,679	1.00	
OREGON	1949 Federal	18,649,422	18,649,422	100.0	15,093	6,954	22,047	19.6	126,367	36,398	162,765	7.38	
	State & Private	12,446,036	12,446,036	100.0	32,225	9,569	41,594	28.1	252,027	177,902	429,929	10.34	
	TOTAL	31,095,458	31,095,458	100.0	47,318	16,523	63,641	24.4	378,394	214,300	592,694	9.31	
WASHINGTON	1949 Federal	12,829,024	12,829,024	100.0	19,917	910	20,827	51.3	28,329	5,787	34,116	1.64	
	State & Private	12,873,551	12,873,551	100.0	12,843	8,086	20,929	9.6	61,901	129,039	190,940	9.12	
	TOTAL	25,702,575	25,702,575	100.0	32,760	8,996	41,756	16.2	90,230	134,826	225,056	5.39	
GROUP TOTAL	1949 Federal	54,463,559	54,463,559	100.0	64,299	77,360	141,699	46.8	386,026	775,167	1,161,193	8.20	
	State & Private	47,521,569	47,521,569	100.0	55,358	125,864	181,222	28.4	394,311	966,600	1,360,911	7.51	
	TOTAL	101,985,128	101,985,128	100.0	119,657	203,224	322,921	34.3	780,337	1,741,767	2,522,104	7.81	
EASTERN GROUP													
CONNECTICUT	1949 Federal	--	--	--	--	--	--	--	--	--	--	--	
	State & Private	1,907,000	1,907,000	100.0	988	642	1,630	2.7	3,444	16,440	19,884	12.20	
	TOTAL	1,907,000	1,907,000	100.0	988	642	1,630	2.7	3,444	16,440	19,884	12.20	
DELAWARE	1949 Federal	1,385	1,385	100.0	--	--	--	--	--	--	--	--	
	State & Private	440,000	440,000	100.0	348	--	348	4.8	3,518	--	3,518	10.11	
	TOTAL	441,385	441,385	100.0	348	--	348	4.8	3,518	--	3,518	10.11	
KENTUCKY	1949 Federal	565,276	565,276	100.0	592	22	614	10.6	690	82	742	1.21	
	State & Private	11,259,000	4,439,359	39.4	20,725	--	20,725	20.2	37,466	--	37,466	1.81	
	TOTAL	11,823,276	5,004,635	42.3	21,317	22	21,339	19.7	38,126	82	38,208	1.79	
MAINE	1949 Federal	90,592	90,592	100.0	2	1	3	2	10	--	10	3.33	
	State & Private	16,682,000	16,682,000	100.0	19,806	1,247	21,053	27.6	48,915	16,976	65,891	3.13	
	TOTAL	16,773,592	16,773,592	100.0	19,808	1,248	21,056	27.1	48,925	16,976	65,901	3.13	
MARYLAND	1949 Federal	3,634	3,634	100.0	--	--	--	--	--	--	--	--	
	State & Private	2,685,000	2,685,000	100.0	987	207	1,194	3.1	6,873	1,087	7,960	6.67	
	TOTAL	2,688,634	2,688,634	100.0	987	207	1,194	3.1	6,873	1,087	7,960	6.67	
MASSACHUSETTS	1949 Federal	1,651	1,651	100.0	--	--	--	--	--	--	--	--	
	State & Private	3,286,000	3,286,000	100.0	2,360	2,915	5,275	2.4	35,751	15,599	51,350	9.73	
	TOTAL	3,287,651	3,287,651	100.0	2,360	2,915	5,275	2.4	35,751	15,599	51,350	9.73	
NEW HAMPSHIRE	1949 Federal	670,009	670,009	100.0	3	--	3	1.0	--	--	--	--	
	State & Private	4,143,394	4,143,394	100.0	1,625	583	2,208	3.7	7,687	30,325	38,012	17.22	
	TOTAL	4,813,403	4,813,403	100.0	1,628	583	2,211	3.6	7,687	30,325	38,012	17.19	
NEW JERSEY	1949 Federal	844	844	100.0	1	--	1	1.0	--	5	5	5.00	
	State & Private	2,294,000	2,294,000	100.0	7,218	810	8,028	5.6	72,334	43,663	115,997	14.45	
	TOTAL	2,294,844	2,294,844	100.0	7,219	810	8,029	5.6	72,334	43,668	116,002	14.45	
NEW YORK	1949 Federal	9,359	9,359	100.0	--	--	--	--	--	--	--	--	
	State & Private	13,423,000	13,423,000	100.0	13,673	7,701	21,374	11.6	55,450	1,850	57,300	2.68	
	TOTAL	13,432,359	13,432,359	100.0	13,673	7,701	21,374	11.6	55,450	1,850	57,300	2.68	
PENNSYLVANIA	1949 Federal	473,727	473,727	100.0	334	1	335	18.6	270	413	683	2.04	
	State & Private	14,644,000	14,644,000	100.0	30,580	1,890	32,470	21.1	70,761	27,218	97,979	3.02	
	TOTAL	15,117,727	15,117,727	100.0	30,914	1,891	32,805	21.1	71,031	27,631	98,662	3.01	
RHODE ISLAND	1949 Federal	--	--	--	--	--	--	--	--	--	--	--	
	State & Private	452,000	452,000	100.0	1,405	505	1,910	5.2	10,442	921	11,363	5.95	
	TOTAL	452,000	452,000	100.0	1,405	505	1,910	5.2	10,442	921	11,363	5.95	
VERMONT	1949 Federal	210,316	210,316	100.0	--	--	--	--	--	--	--	--	
	State & Private	3,657,862	3,657,862	100.0	1,315	686	2,001	8.4	7,305	677	7,982	3.99	
	TOTAL	3,868,177	3,868,177	100.0	1,315	686	2,001	8.3	7,305	677	7,982	3.99	

GROUP AND STATE	PERIOD and OWNERSHIP	TOTAL FOREST AREA NEEDING PROTECTION	FOREST AREA PROTECTED		PROTECTED AREA BURNED				DAMAGE ON PROTECTED AREA			
					Forest Land	Non-Forest Land	TOTAL	Average Area per Fire	Timber Resources	Non-Timber Resources	TOTAL	Average per Acre
			Acres	Acres	Percent	Acres	Acres	Acres	Acres	Dollars	Dollars	Dollars
EASTERN GROUP (Continued)												
VIRGINIA	1949 Federal	1,664,522	1,664,522	100.0	499	5	464	16.0	325	685	1,010	2.18
	State & Private	13,036,000	13,036,000	100.0	10,285	1,948	12,133	7.6	43,029	25,392	68,421	5.64
	TOTAL	14,700,522	14,700,522	100.0	10,744	1,853	12,597	7.7	43,354	26,077	69,431	5.51
WEST VIRGINIA	1949 Federal	909,330	909,330	100.0	136	10	146	7.7	185	183	368	2.52
	State & Private	9,050,000	9,050,000	100.0	34,033	2,272	36,325	21.5	170,094	7,955	178,049	4.90
	TOTAL	9,959,330	9,959,330	100.0	34,169	2,282	36,471	21.3	170,279	8,178	178,457	4.89
GROUP TOTAL	1949 Federal	4,600,644	4,600,644	100.0	1,527	39	1,566	10.9	1,450	1,368	2,818	1.80
	State & Private	96,959,256	90,140,615	93.0	145,368	21,306	166,674	11.6	573,069	188,143	761,212	4.57
	TOTAL	101,559,900	94,741,259	93.3	146,895	21,345	168,240	11.6	574,519	189,511	764,030	4.54
SOUTHERN GROUP												
ALABAMA	1949 Federal	702,374	702,374	100.0	3,093	40	3,133	27.0	6,861	1,316	8,177	2.61
	State & Private	18,044,938	16,835,755	93.3	419,043	13,557	432,600	51.7	714,927	56,739	771,666	1.78
	TOTAL	18,747,312	17,538,129	93.6	422,136	13,597	435,733	51.4	721,788	58,055	779,843	1.79
ARKANSAS	1949 Federal	2,530,659	2,530,659	100.0	3,187	953	4,140	28.2	3,185	685	3,870	.93
	State & Private	18,348,193	12,405,058	67.6	94,401	--	94,401	20.7	277,521	--	277,521	2.94
	TOTAL	20,878,852	14,935,717	71.5	97,588	953	98,541	21.0	280,706	685	281,391	2.86
FLORIDA	1949 Federal	1,333,787	1,333,787	100.0	2,114	2,686	4,800	35.6	1,667	13,343	15,012	5.13
	State & Private	21,553,117	9,487,880	44.0	206,147	6,354	212,501	34.4	229,919	470	230,389	1.08
	TOTAL	22,886,904	10,821,667	47.3	208,261	9,040	217,301	34.5	231,586	13,815	245,401	1.13
GEORGIA	1949 Federal	1,043,037	1,038,937	99.6	6,374	2,509	9,483	128.1	8,424	1,215	9,639	1.02
	State & Private	21,705,024	14,063,194	64.9	112,718	6,515	119,233*	26.1	321,654	3,257	324,911*	2.73
	TOTAL	22,748,061	15,122,131	65.5	119,092	9,024	128,716	25.6	330,078	4,472	334,550	2.60
LOUISIANA	1949 Federal	587,151	587,151	100.0	990	10	1,000	20.8	3,341	10	3,351	3.35
	State & Private	14,055,000	8,960,397	63.8	67,651	--	67,651	24.5	191,209	--	191,209	2.63
	TOTAL	14,642,151	9,547,548	65.2	68,641	10	68,651	24.4	194,550	10	194,560	2.83
MISSISSIPPI	1949 Federal	1,153,789	1,153,789	100.0	3,798	1,214	5,012	12.8	11,227	3,587	14,814	2.96
	State & Private	16,449,000	11,153,000	67.9	267,363	45,302	312,665*	38.0	1,336,815	45,302	1,382,117*	4.42
	TOTAL	17,602,789	12,316,789	70.0	271,161	46,516	317,677	36.8	1,348,042	48,889	1,396,931	4.40
NORTH CAROLINA	1949 Federal	1,414,824	1,414,824	100.0	1,729	354	2,083	21.0	3,114	769	3,883	1.86
	State & Private	16,977,457	14,726,603	86.7	95,767	14,249	110,016	44.1	373,703	7,308	381,011	3.46
	TOTAL	18,392,281	16,141,427	87.8	97,496	14,603	112,099	43.3	376,817	8,077	384,894	3.43
OKLAHOMA	1949 Federal	397,009	397,009	100.0	273	467	740	20.6	351	373	724	.98
	State & Private	9,799,177	3,179,233	32.4	33,301	368	33,669	49.8	97,062	3,850	100,912	3.00
	TOTAL	10,196,186	3,576,242	35.1	33,574	835	34,409	48.3	97,413	4,223	101,636	2.95
SOUTH CAROLINA	1949 Federal	629,803	629,803	100.0	1,253	--	1,253	15.3	370	830	1,200	.96
	State & Private	10,776,000	10,776,000	100.0	104,650	--	104,650	17.7	284,901	--	284,901	2.72
	TOTAL	11,405,803	11,405,803	100.0	105,903	--	105,903	17.6	285,271	830	286,101	2.70
TENNESSEE	1949 Federal	950,260	944,960	99.4	2,114	264	2,378	14.5	6,066	2,873	8,939	3.76
	State & Private	11,993,712	5,244,231	43.7	38,321	--	38,321	17.9	66,572	1,668	68,240	1.78
	TOTAL	12,943,972	6,189,191	47.8	40,435	264	40,699	17.6	72,638	4,541	77,179	1.90
TEXAS	1949 Federal	720,857	720,857	100.0	213	229	442	6.5	228	768	996	2.25
	State & Private	14,050,876	7,632,790	54.3	16,644	1,951	18,595*	22.3	30,141	6,330	36,471*	1.96
	TOTAL	14,771,733	8,353,647	56.6	16,857	2,180	19,037	21.1	30,369	7,098	37,467	1.97
GROUP TOTAL	1949 Federal	11,463,590	11,454,150	99.9	25,738	8,726	34,464	25.3	44,834	25,771	70,605	2.05
	State & Private	173,752,494	114,494,111	65.9	1,456,006	88,296	1,544,302	32.8	3,924,424	124,924	4,049,348	2.62
	TOTAL	185,216,044	125,948,261	68.0	1,481,744	97,022	1,578,766	32.6	3,969,258	150,695	4,119,353	2.61

*Georgia - Exclusive of fire statistics on 1,120,291 acres protected by private owners not under State supervision, for which statistics are not available.
Mississippi - Exclusive of fire statistics on 1,031,000 acres protected by private owners not under State supervision, for which statistics are not available.
Texas - Exclusive of fire statistics on 108,000 acres protected by private owners not under State supervision, for which statistics are not available.

NORTH CENTRAL GROUP												
ILLINOIS	1949 Federal	240,751	240,751	100.0	563	231	794	26.5	439	369	808	1.02
	State & Private	4,085,000	4,085,000	100.0	10,244	6,825	17,069	30.4	35,049	18,182	53,231	3.12
	TOTAL	4,325,751	4,325,751	100.0	10,807	7,056	17,863	30.2	35,488	18,551	54,039	3.03
INDIANA	1949 Federal	106,362	106,362	100.0	1	11	12	6.0	--	--	--	--
	State & Private	3,862,000	3,862,000	100.0	3,023	2,509	5,532	14.1	15,922	8,801	24,723	4.47
	TOTAL	3,968,362	3,968,362	100.0	3,024	2,520	5,544	14.0	15,922	8,801	24,723	4.46
IOWA	1949 Federal	12,318	12,318	100.0	--	--	--	--	--	--	--	--
	State & Private	2,256,000	2,256,000	100.0	1,369	80	1,449	29.6	3,587	430	4,017	2.77
	TOTAL	2,268,318	2,268,318	100.0	1,369	80	1,449	29.6	3,587	430	4,017	2.77
MICHIGAN	1949 Federal	2,615,726	2,615,726	100.0	210	127	337	7.5	774	28	802	2.38
	State & Private	17,808,000	17,808,000	100.0	13,160	8,672	21,832	12.4	48,108	86,034	134,142	6.14
	TOTAL	20,423,726	20,423,726	100.0	13,370	8,799	22,169	12.3	48,882	86,062	134,944	6.09
MINNESOTA	1949 Federal	3,584,098	3,584,098	100.0	8,761	15,949	24,710	287.3	70,431	27,402	97,833	3.96
	State & Private	19,665,000	19,665,000	100.0	81,913	98,389	180,502	147.3	661,778	247,242	909,020	5.04
	TOTAL	23,249,098	23,249,098	100.0	90,674	114,338	205,212	156.5	732,209	274,644	1,006,853	4.91
MISSOURI	1949 Federal	1,358,722	1,358,722	100.0	4,659	173	4,832	15.4	6,326	5,512	11,838	2.45
	State & Private	15,664,000	7,000,280	44.7	75,417	11,138	86,575	28.3	220,011	30,908	250,919	2.90
	TOTAL	17,022,722	8,359,002	49.1	80,076	11,311	91,407	27.1	226,337	36,420	262,757	2.87
NORTH DAKOTA	1949 Federal	48,786	48,786	100.0	5	9,601	9,606	1,067.3	--	1,314	1,314	.14
	State & Private	Data Incomplete										
	TOTAL	48,786	48,786	100.0	5	9,601	9,606	1,067.3	--	1,314	1,314	.14
OHIO	1949 Federal	95,494	95,494	100.0	104	10	114	4.2	132	89	221	1.94
	State & Private	5,494,000	5,494,000	100.0	9,681	8,242	17,923	18.4	25,732	25,947	51,679	2.88
	TOTAL	5,589,494	5,589,494	100.0	9,785	8,252	18,037	18.1	25,864	26,036	51,900	2.88
WISCONSIN	1949 Federal	1,872,590	1,872,590	100.0	187	17	204	3.0	418	14	432	2.12
	State & Private	16,115,000	16,115,000	100.0	6,393	3,480	9,883	8.2	24,878	22,987	47,865	4.04
	TOTAL	17,987,590	17,987,590	100.0	6,580	3,507	10,087	8.0	25,296	23,001	48,297	4.79
GROUP TOTAL	1949 Federal	9,934,847	9,934,847	100.0	14,490	26,119	40,609	70.1	78,520	34,728	113,248	2.79
	State & Private	84,949,000	76,285,280	89.8	201,200	139,565	340,765	37.0	1,035,065	440,531	1,475,596	4.33
	TOTAL	94,883,847	86,220,127	90.9	215,690	165,684	381,374	38.9	1,113,585	475,259	1,588,844	4.17

SUMMARY OF 1949 WEATHER AND FIRE SITUATIONS

Region 1 - Comprising Montana and northern Idaho.

The 1949 fire season was worse than average - comparable to 1945 and 1934. September 1, 1948 to April 30, 1949 records indicate a moisture deficiency 20 to 43 percent, leaving the entire region moisture deficient at the beginning of the fire season. Well spaced rains in July, although below normal, helped. August was an extremely bad fire month with above normal temperatures, below normal precipitation and high fire occurrence. The mean relative humidity was below average.

Region 2 - Comprising Colorado, Kansas, Nebraska, South Dakota and Wyoming.

Early summer season was normal, with light fire occurrence. Situation became progressively more serious as summer advanced, particularly in Wyoming and South Dakota. Late July and all of August and September was a period of relatively serious fire occurrence, with several Class D and E fires. The Black Hills in South Dakota had a higher fire occurrence than during any previous recorded season.

Region 3 - Comprising Arizona and New Mexico.

Both the Arizona and New Mexico seasons were longer than normal. Very unusual rains during May and June, reduced danger during the usual high danger period. Fall season dry. Some fires occurring as late as December. A marked reduction in man-caused fires in 1949 - under the 5-year average. Smokejumpers held down losses on the Gila National Forest. All fall months had less than normal precipitation including December.

Region 4 - Comprising Utah, Nevada, southern Idaho and western Wyoming.

Despite heavier than ordinary winter precipitation, burning conditions in Idaho developed early and became increasingly severe, resulting in explosive fuel conditions in August and a longer than average fire season. These critical conditions made special closures necessary for southwestern Idaho and the Governor's special proclamation.

Utah and Nevada experienced a long, dry season, but conditions never got too severe except on the Toiyabe Forest in western Nevada.

Region 5 - Comprising California.

The number of critical fire days exceeded the number in 1947 and 1948. The fire incidence on timber and watershed lands was unusually high, falling only a few fires short of the all-time high. The acreage burned was remarkably low, a 45 percent decrease over the previous four year's average.

Region 6 - Comprising Oregon and Washington.

This region experienced one of the longest and driest fire seasons on record, beginning April 15 and extending to November 15. Precipitation during the season approximated one-half of normal, with severe drought in southern Oregon. Intermittent periods of dry east wind aggravated fire conditions. Thunderstorms about normal. Prolonged fire season contributing factor to large increase in number of man-caused fires. Fire occurrence and acreage burned above 5-year average.

Region 7 - Comprising Connecticut, Delaware, Kentucky, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont, Virginia and West Virginia.

Northern New England dry after April. Spring rainfall above normal southern New England and central States: normal elsewhere. Summer excessively dry and hot except in some southern States. After August dry everywhere. Southern States acutely dry in fall and early winter. Spring rains helped hold year's number fires near normal and area burned below normal. Maine prohibited smoking and camping in May and July: New Hampshire in June.

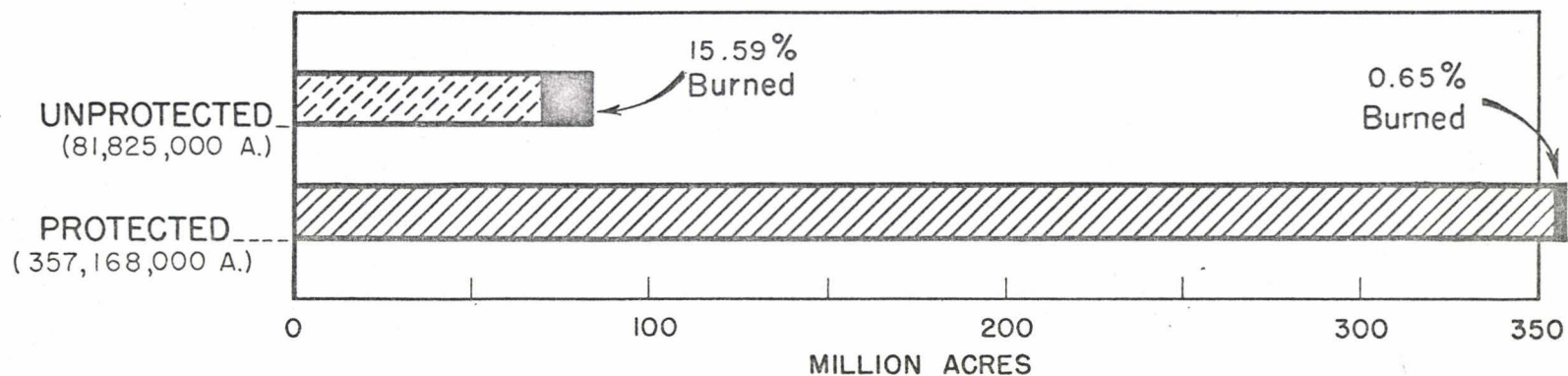
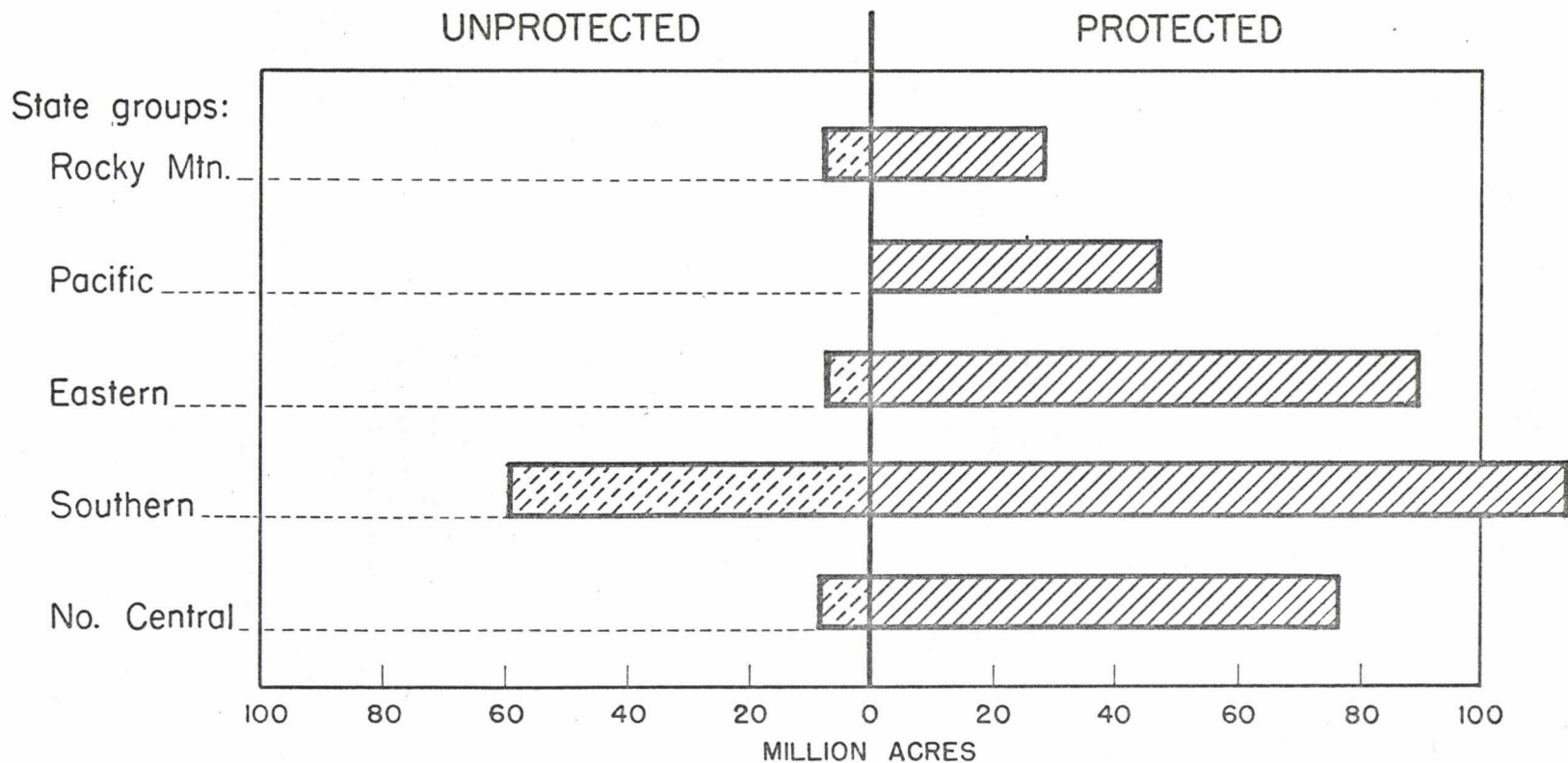
Region 8 - Comprising Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee and Texas.

In most southern States the fire weather was more severe than normally. Late winter and the spring, usually the most critical fire period, were favored with somewhat excess rainfall. Real trouble occurred in the summer and late fall. The Gulf States from Texas to Florida and up through the Carolinas suffered deficiencies in rain from mid-summer to December. Arkansas, northern Louisiana, Mississippi, Alabama and northern Georgia experienced a mid-fall drought. Emergency conditions developed in Arkansas and Mississippi in October and November.

Region 9 - Comprising Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, North Dakota, Ohio and Wisconsin.

In general, States and national forests started out the spring with moisture deficiency and numerous fires, which pointed toward a build-up for serious season but fortunately spring rains alleviated situation. Drought conditions again became critical in both Lake and Central States areas in fall. Minnesota and Chippewa "hottest spots" although Ohio, Illinois and Missouri experienced more than average number of fires and area burned. Fire danger high in latter area October and November.

STATUS OF STATE AND PRIVATE FOREST LAND PROTECTION C.Y. 1949



The acreages of State and private lands needing organized protection from fire as shown in the 1949 compilation of "Forest Fire Statistics" are those which have been used during the past five years. In 1950 a new study was completed and these acreage figures revised as a result of more complete and accurate field data. Following is a list of these new State and private forest and critical non-forested watershed areas which qualify for Clarke-McNary cooperation. These new acreage figures will be used in the compilation of "Forest Fire Statistics" for 1950.

Group and State	Acreage (M Acres)
<u>Rocky Mountain Group</u> - Colorado	7,475
Idaho	6,963
Montana	6,000
Nevada	2,150
New Mexico	4,060
South Dakota	896
Utah	5,721
Wyoming	1,557
Group Total	34,822
<u>Pacific Group</u> - California	19,500
Hawaii	1,735
Oregon	11,995
Washington	12,329
Group Total	45,559
<u>Eastern Group</u> - Connecticut	1,907
Delaware	440
Kentucky	11,253
Maine	16,692
Maryland	2,686
Massachusetts	3,293
New Hampshire	4,176
New Jersey	2,294
New York	13,423
Pennsylvania	14,659
Rhode Island	452
Vermont	3,504
Virginia	12,971
West Virginia	9,038
Group Total	96,788
<u>Southern Group</u> - Alabama	18,112
Arkansas	16,962
Florida	19,940
Georgia	19,968
Louisiana	14,141
Mississippi	15,314
North Carolina	16,920
Oklahoma	9,779
South Carolina	11,300
Tennessee	11,967
Texas	14,707
Group Total	169,110
<u>North Central Group</u> - Illinois	3,755
Indiana	4,255
Iowa	1,968
Michigan	17,124
Minnesota	17,996
Missouri	13,835
North Dakota	919
Ohio	4,973
Wisconsin	15,590
Group Total	80,415
GRAND TOTAL	426,694